

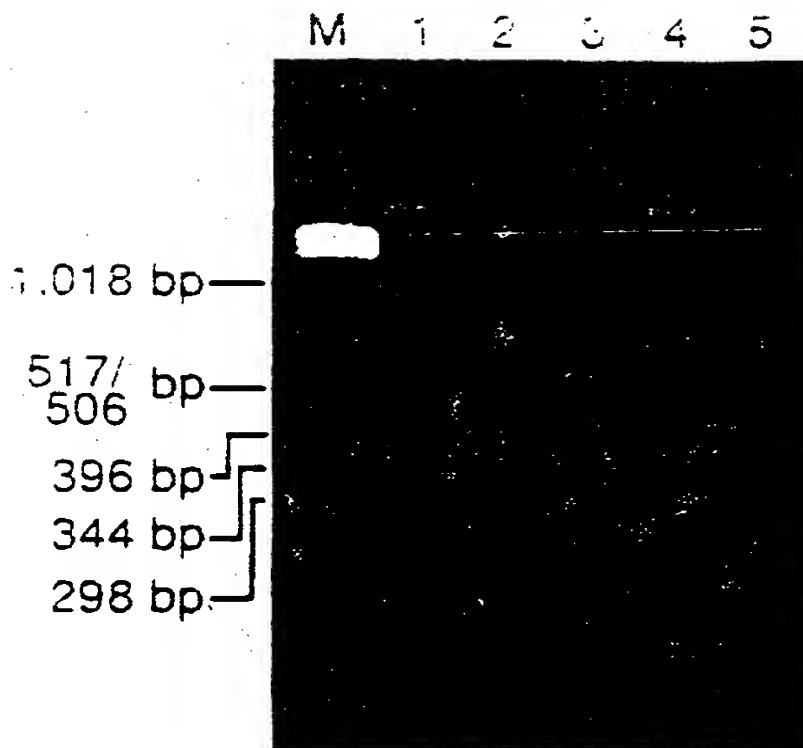
APPROVED	O. G. FIG.
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PCT/US95/10194

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FIGURE 1



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FIGURE 2A

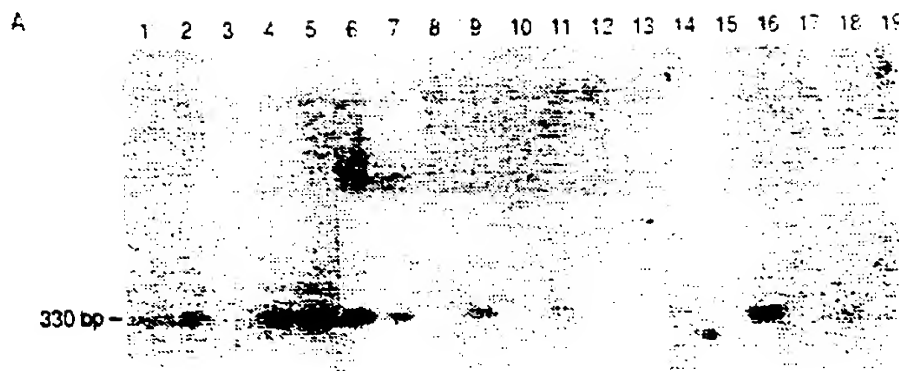
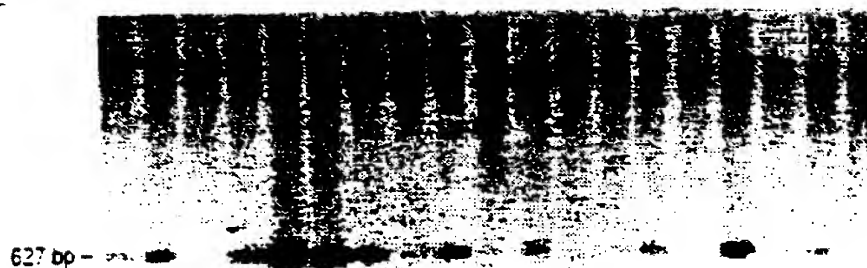


FIGURE 2B



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# FIGURE 3A-4

TGGGGGTTGG	CGAATGGGTT	CCCTAAACGG	GAAATCCTCT	ATGGTATTCA	GGCAGAAGAC	4560
CGCGTCTCTC	ACCCGACGTT	TGASTCTTTT	TAGCAGAGCG	CCGAAGAAAT	CCCGTCTCTG	4620
TGTTTTTCGA	GGGGCAAGTT	CTGGCGCCTA	CAGCGATGAG	AAACACGACA	CGATGTTTTT	4680
CAGCCCCATG	CTGCGCAGCA	ACACGTGCTT	CAGGAACAGG	TGTTGTAGCC	GGTTCAGTTT	4740
TAGCTTGGGT	AGAAAAGTTA	TGAGTTGTTT	AGCACGCTCC	ATGATGGTAA	CGGTGTTGAA	4800
GTCACAGACC	GGGCTTTCTC	CGAGTCTCGG	CCGCTTGAGT	CCAATCATGT	AGAACATAGA	4860
CGCGGCTCTG	TTGTCTGTGT	TAAGTGACAC	GATATCCCGT	TGGCAAACCT	GTGCGATGTT	4920
GTGTTTCACT	ATAGATCTGG	TCTGACCGGC	ACGGGGTGTT	ATGGGGTGAC	GCGGTAAAGG	4980
CGACTCTGGG	TCAAACACCT	TTATGCGGTT	GGCGGCTCTG	TGGATGACGA	CACGCTTGTT	5040
CGCGGCGTGT	ATGGGGACGC	GACGGCATCC	CGCTGGCAGA	TCTATAATCT	TAAAGTTGGT	5100
ATAAGACTGG	TGCTCTGTTA	TGGCCAGCCG	GCACTCCGGT	AGTATCTGCG	TGTCTCTGAA	5160
TTGCTGGCCG	CGTACGACTG	GCTTGGAGTG	CAGGTAAACG	CCAAGAGATG	CGGTCTCTTC	5220
GCCTACGCAC	AAGTGGCTTC	TTAACCGCTA	GGGGTGCGGT	GAGAGCATGA	TCCGTAGCAA	5280
CGATAGTTCC	GGGTGCCTAG	CCGCGTAGAG	TGGCAGGGTA	GACGAGTCCG	GAGTCCCAAA	5340
CTTTTTCGAAC	AACAGTGGCA	TGGGACTTTC	AGGATTAGAG	ACTCCCAACA	TGGCCGCCAC	5400
CGCCGGAGAG	GTCAAGACGT	GAAACACGCG	CTCGCTGTTC	GACAGGCGCG	CCGCGCCCTC	5460
TACTAGACTA	GCCTTCACGT	CCGGAACCTG	TAACATAGCT	TAGACCAGCG	GACGGACGCA	5520
ACGTACGCGG	GGATCGGCTG	GCGGTGTCTG	CTCGTTGGAC	GCGGCCGTTT	GGTGGCGCCA	5580
GTGCAGGCCT	AGTTTGCGAA	TGGCGTGACG	GACAATTTGT	GGCTTTAGAG	CGGCGAACCG	5640
ATGACCCGTG	GTGGCGACGA	ACGAAATGAA	GTTTGCATTG	CGGCCCAACT	CGTCTAGCCT	5700
GGTCTCTCTG	TTTCGGGCAAT	AGATTTTCGG	GATTAGGTTA	CATTTTTTAT	ATCCCACTAC	5760
TGCGCACTCG	TGTTTGCTTT	TAGTGTGACT	GATTATCTTC	TTTGAGAAGT	CAAACAGGCC	5820
CCGGGCGGGG	GCTCGCCTAA	TGCAAGCCAC	GTCAAGCCTG	AGAAACGAAC	AGCATTCAC	5880
CAGACACTCC	AGGAACCTTT	TGTGTAGCGT	CTGTATTTGG	GAACGGTTTT	TGTGCTCAAG	5940
TAGGGAGAAT	ATTCTATTTT	TGTTTCCGTC	GATGCGCGCG	TGCTGGTCCG	TGAGAATGGG	6000
CGCCAGCTCG	TGGCGAATCT	GTTCCACAAG	AGGCTGCCCG	TACACTTTAG	AAATCGTGGC	6060
TGTGCGGGCC	TTAAACAGG	ACACGTTTAG	CCCATCCTTG	CTGGAGACCA	CAGATGGAAG	6120
GTTTGTGGTC	CAAAATACGT	TTTTTCGCCC	CATTCTCACC	ATGTACTGGT	TTTTCACTCC	6180
GTGCAGGTCC	AACGTGGAGT	TCCAATTTGC	TATCGATACA	GGAAATATGT	GCCTGATTGG	6240
CAGAAAGCAT	TTGAGCGTAC	CCATTGCGAA	GAGAAAGTGC	AGCATGTCCC	CACGTATGTT	6300
GATGTTTTATT	GCGGTGCTTT	GACACATGTT	GTCGGAAAAA	AACACGCTTA	TGGTAAAGAA	6360
AGGTTTCTTT	ACGGAGTACT	TTGCTATAAC	AAAATTGTTG	GTCAATCTGG	GGATGTTTAA	6420
AATAGTCTTT	TGCAGGGTGT	TAGGAACGTG	GCAGCTTATC	TTAGTGTAA	TCACCATGTT	6480
GGTGTGAAT	ATGGTGATCT	TGAAGTTTTT	CAAACTGACG	TGTTTTGTGG	GTTCCAGCAT	6540
GTCTGACACT	GTAGAGCTGC	CCAGAGTCCG	CGCGTCCGTG	GCCGCTATTC	GTTGGAAGCA	6600

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# FIGURE 3A-7

GCACCAAAAA CTATCTGCCC CCAGTTTCAT TTGCCAGGCA AAACACCGCA TGCACCTT33 10860

TTTTGCCATG ACAGTCGTCA GGACGGACGA GGTTCATAGCA GAGCACATCC TATACTGCTC 10920

CAGGGCGTCG ACATCCATGT TTGTGGGCTT GCCTTCGGTG GTACGGGCGG AGGTACGTTT 10980

GGACGCGGTG ACTTTTGAAA TTACCCACGA GATCGCTTCC CTGCACACCG CACTTGGCTA 11040

CTCATCAGTC ATCGCCCCGG CCCACGTGGC CGCCATAACT ACAGACATGG GAGTACATTG 11100

TCAGGACCTC TTTATGATTT TCCCAGGGGA CCGGTATCAG GACCGCCAGC TGCATGACTA 11160

TATCAAAATG AAAGCGGGCG TGCAAACCGG CTCACCGGGA AACAGAATGG ATCAGCTGGG 11220

ATACACTGCT GGGGTTCCTC GCTGCGAGAA CCGCCCCGGT TTGASTCATG GTCAGCTGGC 11280

AACCTGCGAG ATAATTCCCA CGCCGGTCAC ATCTGACGTT GCCTATTTCC AGACCCCCAG 11340

CAACCCCCGG GGGCGTGCGG CGTCGGTCGT GTCGTGTGAT GCTTACAGTA ACGAAAGCGC 11400

AGAGCGTTTG TTCTACGACC ATTCAATACC AGACCCCGCG TACGAATGCC GGTCCACCAA 11460

CAACCCGTGG GCTTCGCAGC GTGGCTCCCT CGGCGACGTG CTATACAATA TCACCTTTCC 11520

CCAGACTGCG CTGCCGGGCA TGTACAGTCC TTGTCGGCAG TTCTTCCACA AGGAAGACAT 11580

TATGCGGTAC AATAGGGGGT TGTACACTTT GGTTAATGAG TATTCTGCCA GGCTTGCTGG 11640

GGCCCCCGCC ACCAGCACTA CAGACCTCCA GTACGTCGTG GTCAACGGTA CAGACGTGTT 11700

TTTGACCAG CCTTGCCATA TGCTGCAGGA GGCCTATCCC ACGCTCGCCG CCAGCCACAG 11760

AGTTATGCTT GCCGAGTACA TGTCAAACAA GCAGACACAC GCCCCAGTAC ACATGGGCCA 11820

GTATCTCATT GAAGAGGTGG CGCCGATGAA GAGACTATTA AAGCTCGGAA ACAAGGTGGT 11880

GTATTAGCTA ACCCTTCTAG CGTTGGCTAG TCATGGCACT CGACAAGAST ATAGTGGTTA 11940

ACTTCACCTC CAGACTCTTC GCTGATGAAC TGGCCGCCCT TCAGTCAAAA ATAGGGAGCG 12000

TACTGCCGCT CGGAGATTGC CACCGTTTAC AAAATATACA GGCATTGGGC CTGGGGTGGC 12060

TATGCTCAG TGAGACATCT CCGGACTACA TCCAAATTAT GCAGTATCTA TCCAAGTGCA 12120

CACTCGCTGT CCTGGAGGAG GTTCGCCCCG ACAGCCTGCG CCTAACCGCG ATGGATCCCT 12180

CTGACAACTT TCAGATAAAA AACGTATATG CCCCCCTTTT TCAGTGGGAC AGCAACACCC 12240

AGCTAGCAGT GCTACCCCCA TTTTTTAGCC GAAAGGATTC CACCATTTGT CTGGAATCCA 12300

ACGGATTGTA CCCCCTGTTT CCCATGGTCG TGCCGCAGCA ACTGGGGCAC GCTATTCTGC 12360

AGCAGCTGTT GGTGTACCAC ATCTACTCCA AAATATCGGC CGGGGCCCCG GATGATGTAA 12420

ATATGGCGGA ACTTGATCTA TATACCACCA ATGTGTCAAT TATGGGGCGC ACATATCGTC 12480

TGGACGTAGA CAACACGGAT CCACGTACTG CCGTGGAGT GCTTGACGAT CTGTCCATGT 12540

ACOTTTGTAT CCTATCAGCC TTGGTTCCCA GGGGGTGTCT CCGTCTGCTC ACGGCGCTCG 12600

TGCGGCACGA CAGGCATCCT CTGACAGAGG TGTTTGAGGG GGTGGTGCCA GATGAGGTGA 12660

CCAGGATAGA TCTCGACCAG TTGAGCGTCC CAGATGACAT CACCAGGATG CGCGTCATGT 12720

TCTCTATCT TCAGAGTCTC AGTTCTATAT TTAATCTTGG CCCCAGACTG CACGTGTATG 12780

CCTACTCGGC AGAGASTTTG GCGGCCTCCT GTTGGTATTC CCCACGCTAA CGATTGGAAG 12840

CGGGGGGGGT ATGGCGTCAT CTGATATTCT GTCGGTTGCA AGGACGGATG ACGGCTCTCT 12900

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**FIGURE 3A-9**

TTTCCAAGGC	ACTTCTGAAC	CTCCTGGGCG	GTGGTGTCTA	CCCGACACAT	GTCAAAGTGT	15060
GTACGCGGTG	CGTCACCCAC	CACGCGGTAA	AGCGTAGCAT	TTGACGACGC	TGCTCCCTCG	15120
CCCATTAGTT	CGGTGTGAA	TGCCCCCTCC	ATAAAGAGGT	TGGTGGTGGT	TTTGATGGAT	15180
TCGTGATGG	TGATGTACGT	CGGAATGTGC	AGTCTGTAA	AAGGACAGGA	CAGTAGTGCG	15240
TCTTGACAGT	GGAAATCTTC	TGGGTGGTCC	GCACACAGCT	AACTGACCAC	ATTGAGCATC	15300
TTTTCTGGG	CGTTCTTGAG	GTAAAGCAGG	AAACTCGTGG	AGCGGTCTGA	CGAGTTTACG	15360
GATGATATAA	ATATAAGCTT	GGCGTCTTTC	TGAAGCATGA	AACCCAGAAT	AGCCGGCAGT	15420
GCATCTTTT	TAATAAAATT	CGCTCTGTCT	ACGTAGAGCA	GGTTAAAGGT	CTGTCCCGGA	15480
ATGCTCTGCA	GACACGGAAA	GACACAAAAG	AGGGGCTCAT	AAGCGGTAA	CAGTAAAGGA	15540
GAGGAGGGCG	ACAGTGCGTG	GCTCTTGTT	CTTGGAATA	AAAGGGGGCG	TGTGTGCCGA	15600
TCGATCGTAT	GGGTGAGCCA	GTGGATCTTG	GACATGTGGT	GAATGAGAAA	GATTTTGAGG	15660
AGTGTGAACA	ATTTTTCAGT	CAACCCCTTA	GGGAGCAAGT	GGTCGCGGGG	GTCAGGGCAC	15720
TCGACGGCCT	CGGTCTCGCT	GACTCTCTAT	GTCAAAAAC	AGAAAGACTC	TGCCTGCTGA	15780
TGGACCTGCT	GGGCACGGAG	TGCTTTGCGA	GGGTGTGCCG	CCTAGACACC	GGTGCGAAAT	15840
GAAGAGTGTG	GCGAGTCCCT	TATGTCAGTT	CCACGGCGTG	TTTTGCCTGT	ACCASTGTCC	15900
CCAGTGCCCTG	GCATACCACG	TGTGTGATGG	GGGCGCCGAA	TGCGTTCTCC	TGCATACGCC	15960
GGAGAGCGTC	ATCTGCGAAC	TAACGGGTAA	CTGCATGCTC	GGCAACATTC	AAGAGGGCCA	16020
GTTTTTAGGG	CCGGTACCGT	ATCGGACTTT	GGATAACCAG	GTTGACAGGG	ACGCATATCA	16080
CGGGATGCTA	GCGTGTCTGA	AACGGGACAT	TGTGCGGTAT	TTGCAGACAT	GGCCGGACAC	16140
CACCGTAATC	GTGCAGGAAA	TAGCCCTGGG	GGACGGCGTC	ACCGACACCA	TCTCGGCCAT	16200
TATAGATGAA	ACATTGCGTG	AGTGTCTTCC	CGTACTGGGG	GAGGCCCAAG	GCGGGTACGC	16260
CTGTGTCTGT	AGCATGTATC	TGCACGTTAT	CGTCTCCATC	TATTGACAA	AAACGSTGTA	16320
CAACASTATG	CTATTTAAAT	GCACAAAGAA	TAAAAAGTAC	GACTGCATTG	CCAAGCGGGT	16380
CGCGACAAAA	TGGATGCGCA	TGCTATCAAC	GAAAGATACG	TAGGTCTCTG	CTGCCACCGT	16440
TTGGCCACCG	TGGTGTGTGC	TAGGACCTTT	CTGCTGCATC	ACGCCATACC	CCTGGAGCCC	16500
GAGATCATCT	TTTCCACCTA	CACCCGGTTC	AGCCGGTCCG	CAGGGTCATC	CGGCCGGTTG	16560
GTGGTGTGTG	GGAAACGTGT	CCTGCCAGGG	GAGGAAAACC	AACTTGCTTC	TTGACCTTCT	16620
GGTTTGGGCG	TTAGCCTGCC	TCTGTTTTTC	CACGATGGGA	ACTTTCATCC	ATTGACATC	16680
TGGTACTGCG	GCATTTCTCG	CCCTGGTTCT	AATCTTAGTC	TTACTGTGAG	ATTCTCTAT	16740
CTATCTCTGG	TGGTGGCTAT	GGGGGCGGGA	CGGAATAATG	CGCGGAGTCC	GACCGTTGAC	16800
GGGGTATCGC	CGCCAGAGGG	CGCCGTAGCC	CACCCCTTGG	AGGAACTGCA	GAGGCTGGCG	16860
CGTGCTACGC	CGGACCCGCG	ACTCACCCGT	GGACCGTTGC	AGGTCTGTAC	CGGCTTCTTC	16920
CGCGCAGGGT	CAGACGGAGA	CGCGCCCACT	CACACATGG	CGCTCGAGGC	TCCGGGAACC	16980
GTGCGTGGAG	AAAGCCTAGA	CCCGCCTGTT	TCACAGAAGG	GGCCAGCGCG	CACACGCCAC	17040
AGGCCACCCC	CCGTGCGACT	GAGCTTCAAC	CCCGTCAATG	CGGATGTACC	CGTACCTGG	17100

[illegible]





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# FIGURE 3B

## SEQ. ID. NO. 36

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GGATCCCTCT GACAACCTTC AGATAAAAAA CGTATATGCC CCGTTTTTTTC AGTGGGACAG      60
CAACACCCAG CTAGCAGTGC TACCCCCATT TTTTAGCCGA AAGGATTCCA CCATTGTGCT      120
CGAATCCAAC GGATTTGACC CCGTGTTCCC CATGGTCGTG CCGCAGCAAC TGGGGCACGC      180
TATTCTGCAG CAGCTGTTGG TGTACCACAT CTA CTCCAAA ATATCGGCCG GGGCCCCGGA      240
TGATGTAAAT ATGGCGGAAC TTGATCTATA TACCACCAAT GTGTCATTTA TGGGGCGCAC      300
ATATCGTCTG GACGTAGACA ACACGGATCC                                     330

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# FIGURE 3C

SEQ. ID. NO. 37

GGATCCGCTG GCAGGTGGGC GCGCACCTCG TCGGGTAGCT TGGAGACAAA CAGCTCCAGG 60  
CCAGTCCGCG CCGTAGCGCC TGCAGGTGCC TCACCACCGG GGCCGGGTCA TCGGATCTGT 120  
TTAGTCCGGA GAAGATAGGG CCCTTGGGAA GCGCTGAAC CAGCTCCAGG GTCTCCAAGA 180  
TGCGCACCGG TTGTGGGAGC TGTCGCGATA GAGGTTAGGG TAGGTGTCCG GTCCGTCCGT 240  
GGGCTCAAAC CTGCCCAGAC ACACCACTGT CTGCTGGGGG ATCATCCTTC TCAGGGAGAT 300  
GCATTCTTTG GAAGTAGTGG TAGAGATGGA GCAGACTGCC AGGGCGTTGC AGGAGTGGTG 360  
GCGATGGTGC GCACCGTTTT TAAGAAACCC CCCAGGGTGG GGAATCCCGC TCCCTGCAGC 420  
ATCTCGGCCT GCTGTACGTC CTTGGCGAAT ATGCGACGAA ATCGGCTGTG CGCACGGGGT 480  
CCCAGGGCCG GTCCGGTGGC ATACAGGCCG GTGAGGGCCC CCTGGGTCTG TCCGCCTGGA 540  
AACAGGGTGC TGTGAAACAA CAGGTTGCAA GGCCGCGAAT ACCCCTCTGC ACGCTGCTGT 600  
GGACGTGGGT GTATGCTCCG TGGATCC 627

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FIGURE 4A

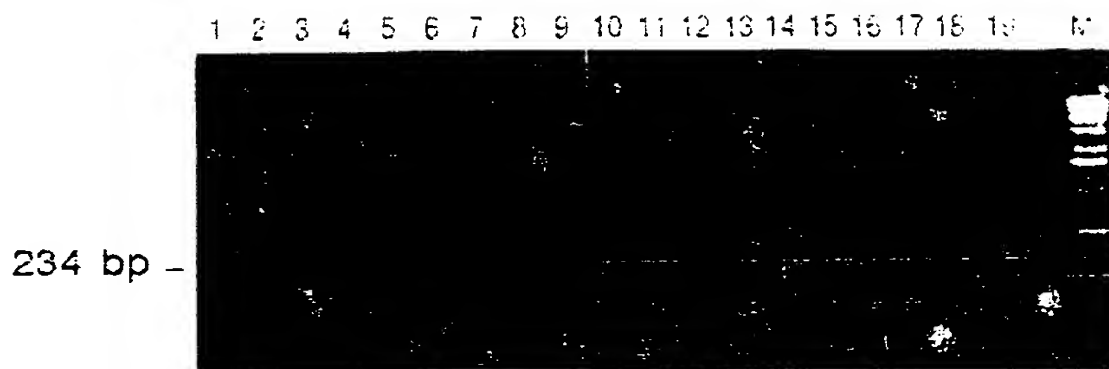


FIGURE 4B



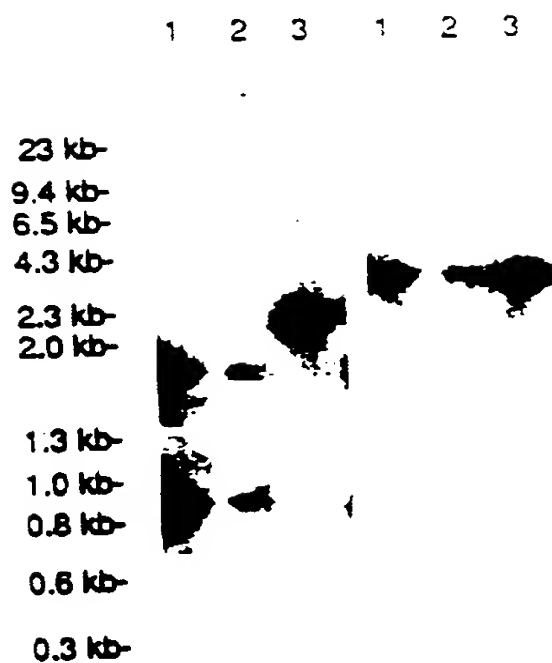
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FIGURE 5



Probe: KS330Bam KS627Bam  
Enzyme: Pvu II

FIGURE 6

1	HSVSA	MLTDKTIIM	LSRLFADEI	TKLQKIGSI	LPLQDPHKLQ	SLDTLGLNAV
	KS	MALDKSIVVN	FTSRLFADEL	AALQSKIGSV	LPLGDCHRLQ	NIQALGLGCV
	EBV	..MDLKVVVS	LSSRLVTDEI	AKMQORIGCI	LPLASTHTGQ	NVQGLGLGCV
51	HSVSA	CSRQVFPDYV	HMFSYLSKCT	LAILLEEVNPD	NLILTRLDP	ETYQIKNVYE
	KS	CSRETSPDYI	QIMQYLSKCT	LAVLEEVNPD	SLRLTRMDPS	DNLQIKNVYA
	EBV	YSLEETVDPYV	SMYNYLSCT	LAVLDEVSD	SLILTKIVPG	QTYAIKKNYQ
101	HSVSA	PMFQWDGFSN	LTVPVVFGR	QQAIVTLESN	GFDLVFPSV	PSDLACAIIG
	KS	PFFQWDSNTQ	LAVLPVFFSR	KDSTIVLESN	GFDPVFPMV	PQQLGHAILQ
	EBV	PFFQWHGTGS	LSVMPVFGH	EHAIVKLESN	DVDIVFPMVL	PTPIAEEVLQ
151	HSVSA	KLILYNLYSR	LVESDP.EIN	IEEVNMYTTN	VTHMGRHYML	DINHNNPNEA
	KS	QLLMVHIYSK	ISAGAPDDVN	MAELDLVTTN	VSFMGRTYRL	DVDNTDPRTA
	EBV	KILFNVYSR	VVMQAPGNAD	MLDVHMHLS	VSYLGHMYEL	ALPEVPGPLG
201	HSVSA	LKSLDDLAVY	TCILSALIPR	ACLRLTILM	RHDQHELDDV	FRGIIVPREVY
	KS	LRVLDDLAMY	LCILSALVPR	GCLRLLTALV	RHDRHPUTEV	FEGVWPDEVT
	EBV	LALLDNLSLY	FCIMVTLPR	ASMRIVRGLI	RHEHDLNL	FQEMVPDEIA
251	HSVSA	EIDANALSIG	DDITRMITFI	TYLQSLSSIF	NLGAKLHLS	YASETIQTATC
	KS	RIDLQLSVP	DDITRMRVMF	SYLQSLSSIF	NLGPRLHYA	YSAETLAASC
	EBV	RIDLQLSVA	DDL SRMRVMM	TYLQSLASLF	NLGPRLATAA	YSQETLTATC
301	HSVSA	WISYC				
	KS	WYSPR				
	EBV	WLR				

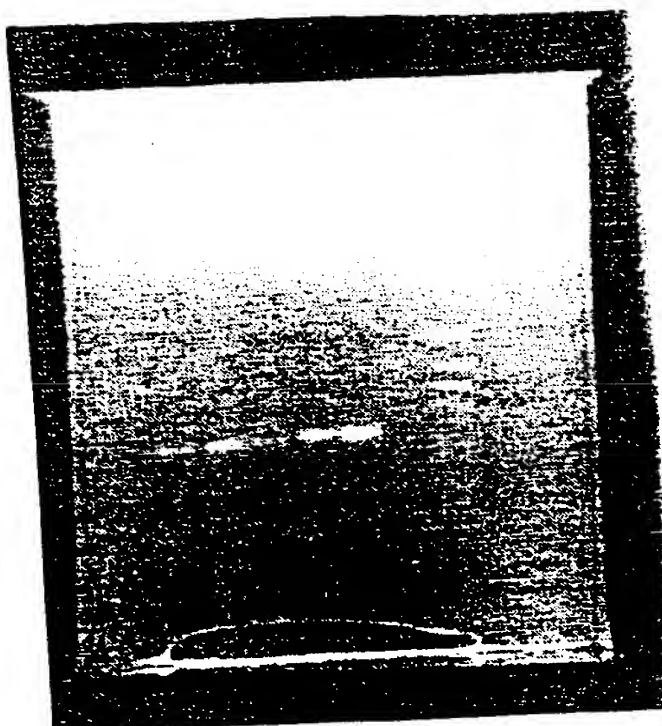
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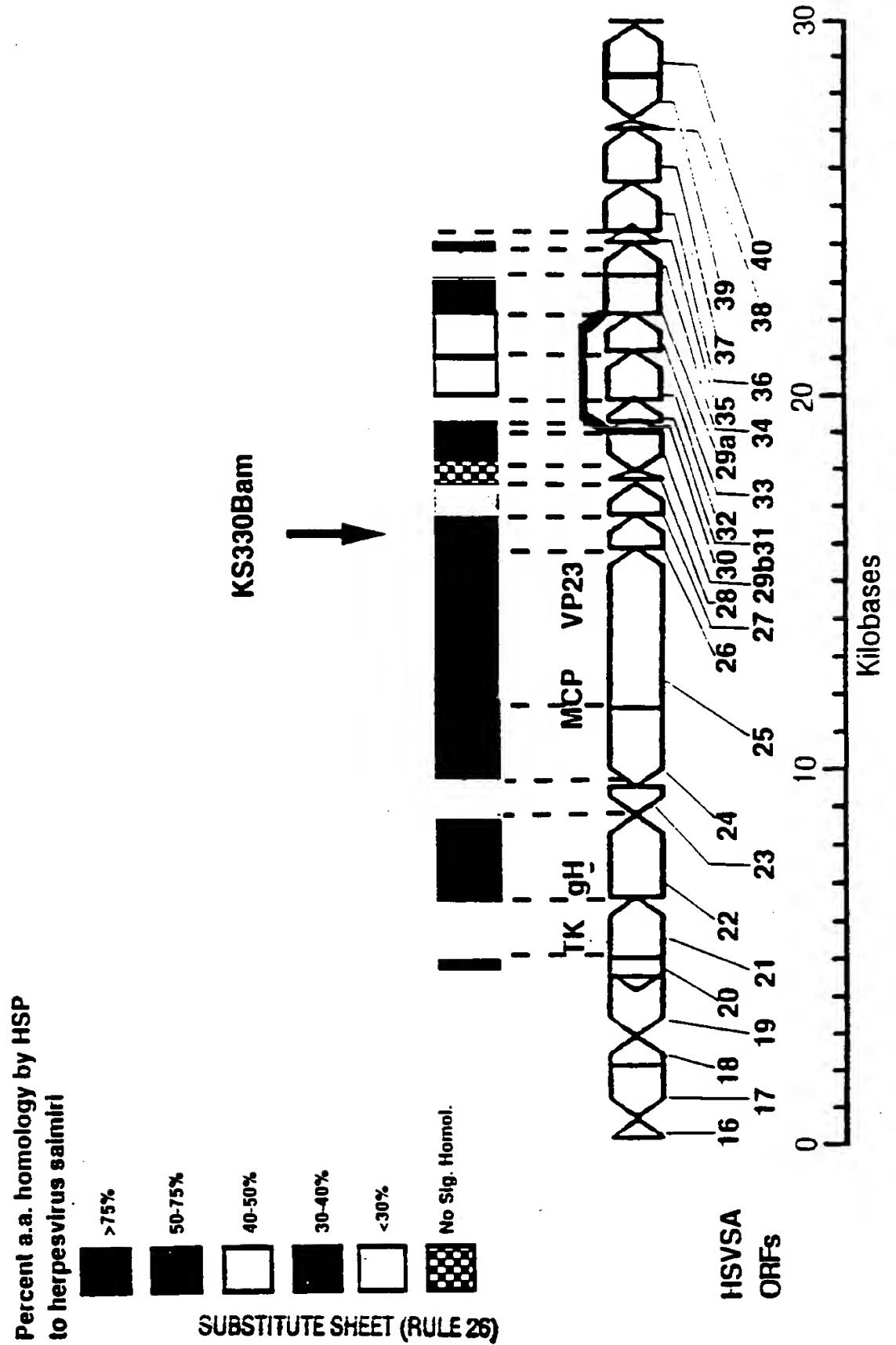
FIGURE 7



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FIGURE 8







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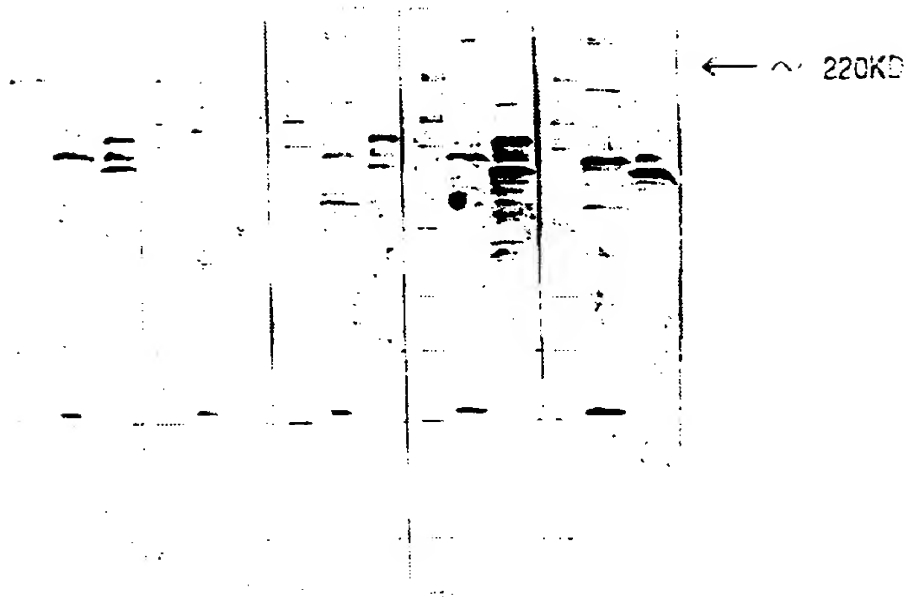
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FIGURE 10

A1N	A2N	A3N	A4N	A5N
B1 RA	B1 RA	B1 RA	B1 RA	B1 RA





## FIGURE 12

# Gene Homologs

KSHIV				IHS		EIV-2		EBV			
UNIT	Size	AIG	Stop	aa	TAIA	polyA	ORF	%S	ORF	%S	f
000 20	20090	20153		184		18684	000 20		000 20		1K
000 21	20136	20141	18431	500		16414	000 21	32% 50%	000 21	31% 51%	1K
000 22	18631	18633	16421	730	18185	16414	000 22	35% 55%	000 22	31% 52%	1K
000 23	15206	15210	16422	403	14955	16422	000 23	33% 57%	000 23	30% 50%	1K
000 24	12943	12948	15206	752	11641	16422	000 24	45% 66%	000 24	41% 58%	1K
000 25	13021	12940	8819	1176	11246	8849	000 25	65% 81%	000 25	61% 79%	1K
000 26	8800	8793	7870	315	11246	8817	000 26	58% 76%	000 26	46% 70%	1K
000 27	7870	7855	6903	290	7419	8817	000 27	70% 49%	000 27	70% 44%	1K
000 28	6740	6737	6367	120	6830	5274					50
000 29a	5079		6363	430	4507	6359	000 29b	64% 83%	000 29b	68% 87%	50
000 30	5186	5102	4869	77	5340	4362	000 30	33% 55%	000 30	38% 56%	50
000 31	4971	4862	4788	224	5340	4162	000 31	43% 63%	000 31	38% 64%	50
000 32	4340	4119	2957	454	5340	3119	000 32	30% 52%	000 32	32% 51%	50
000 33	3077	2984	2028	312	3020	1653	000 33	36% 58%	000 33	33% 56%	50
000 34a	743	1049	1487	312			000 29a	53% 68%	000 29a	52% 68%	50
000 34	1065	1074	69	127	3020		000 34	47% 59%	000 34	70% 60%	50
000 35			138	45		54	000 35		000 35		50

... is relative to the IVS (or immediate)

The nomenclature used for KSHV ORFs is relative to the IIVS ORF nomenclature: incomplete ORF S, strand (C, complementary), IAPIA, location of upstream IAPIA elements (IAI IAA, IAIAAA, IAIAMAI), phosphorylation signal, (AAIAAA, AI IAAA), %I, percentage of aligned similar amino acids, I, function, PK (threonine kinase, gL1, glycoprotein 11, MCL1, major capsid protein, VP23, vhhm protein, SC, putative IAPIA packaging signal) group

FIGURE 13

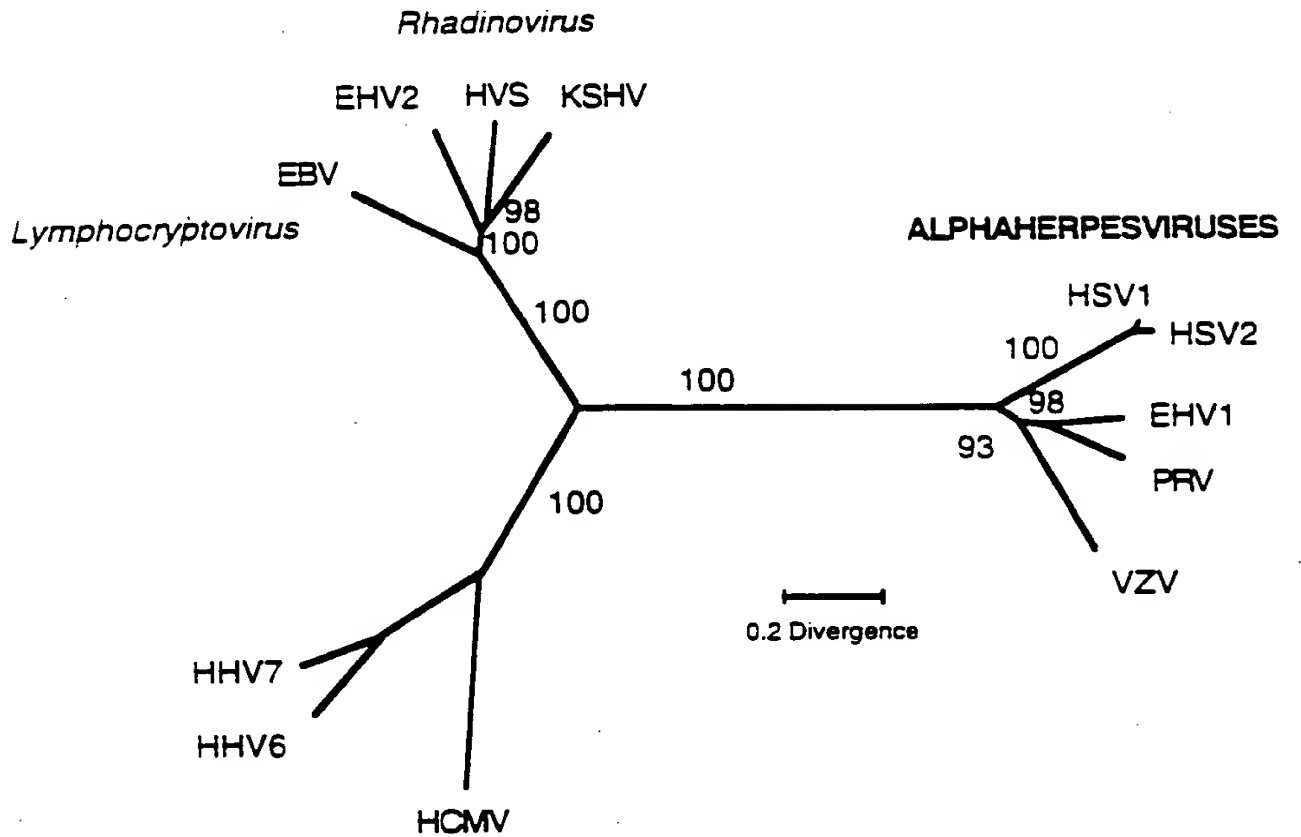
\*H/B=Homosexual/bisexual males, IDU-F=Female intravenous drug user, Hero=heroin addict male



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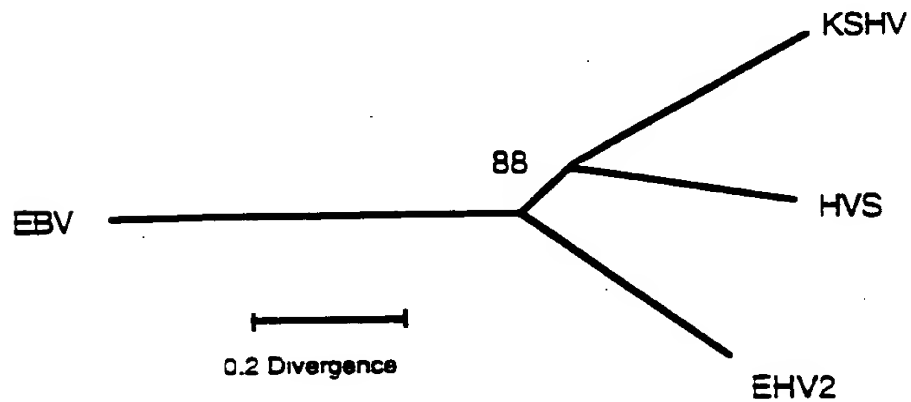
FIGURE 15A

GAMMAHERPESVIRUSES



BETAHERPESVIRUSES

FIGURE 15B



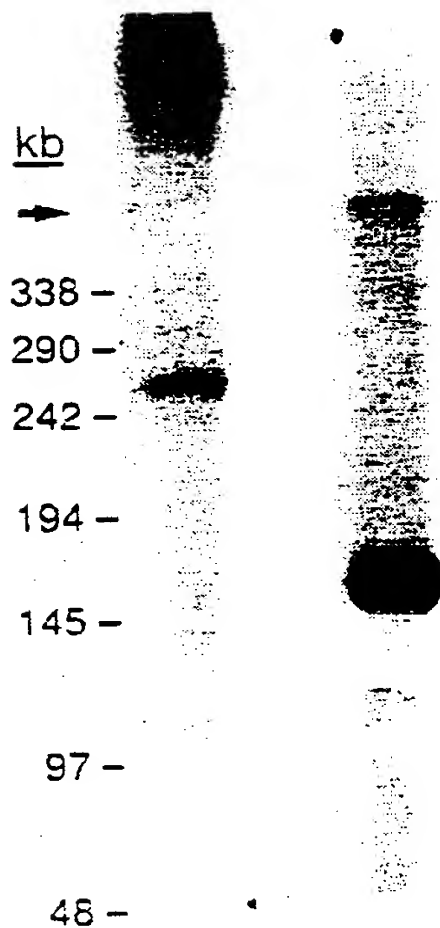
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FIGURE 16A. FIGURE 16B



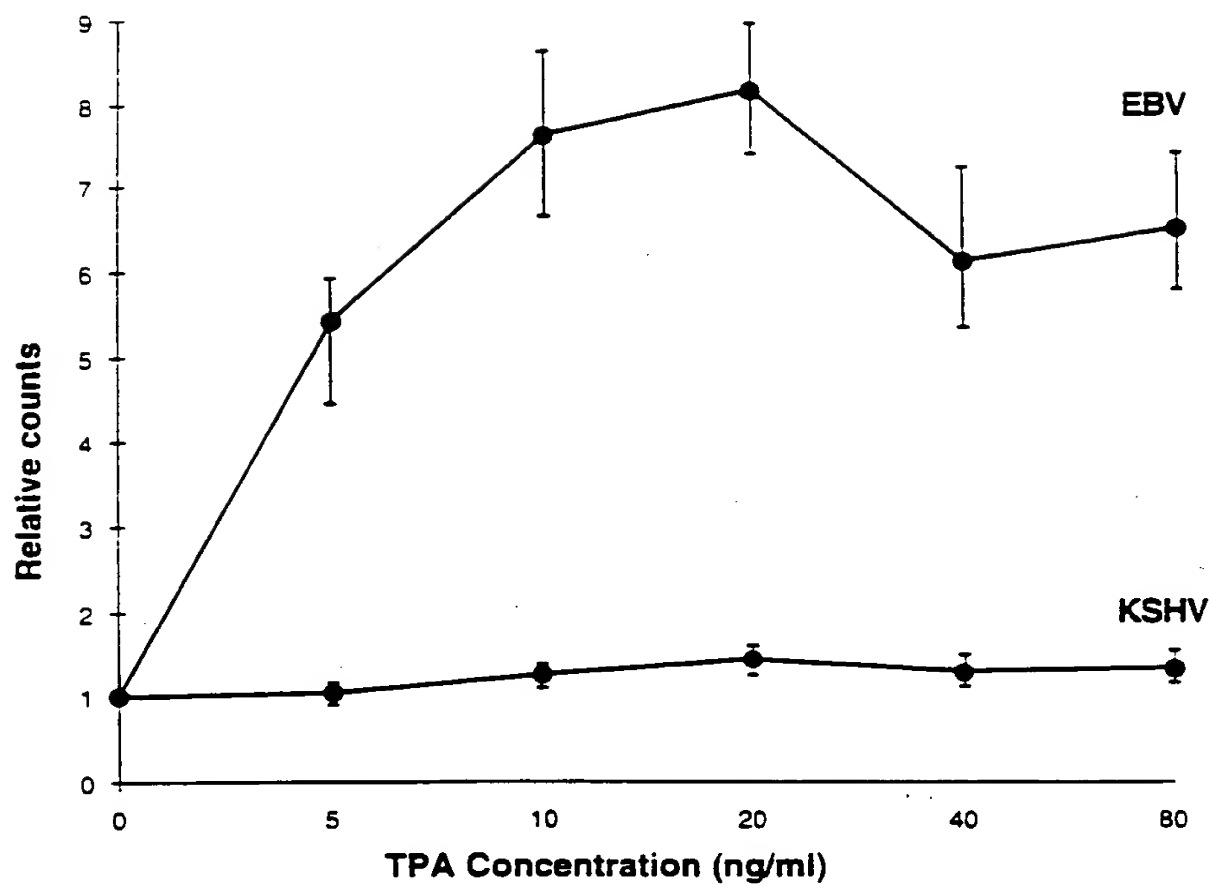
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FIGURE 17







APPROVED	O G. FIG.	
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FIGURE 19A

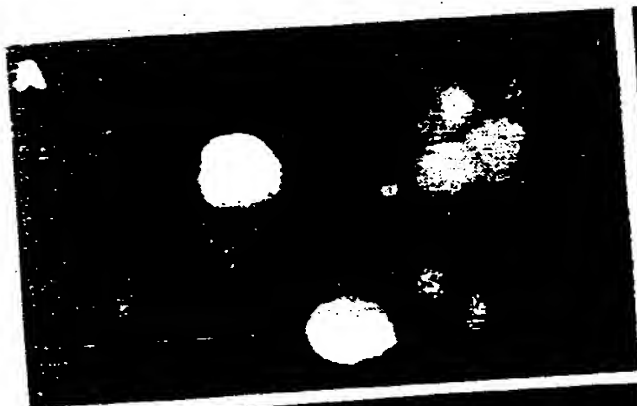


FIGURE 19B



FIGURE 19C

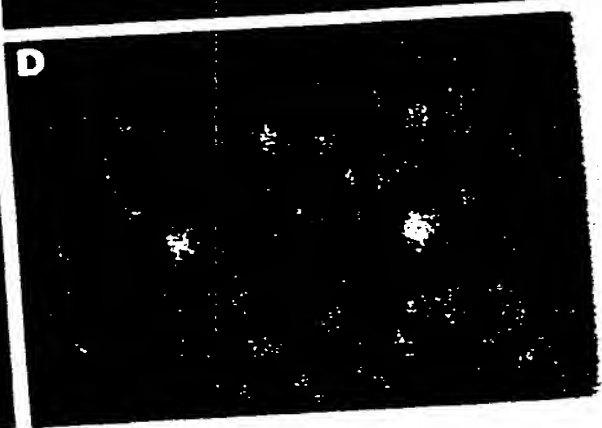


FIGURE 19D

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FIGURE 20A

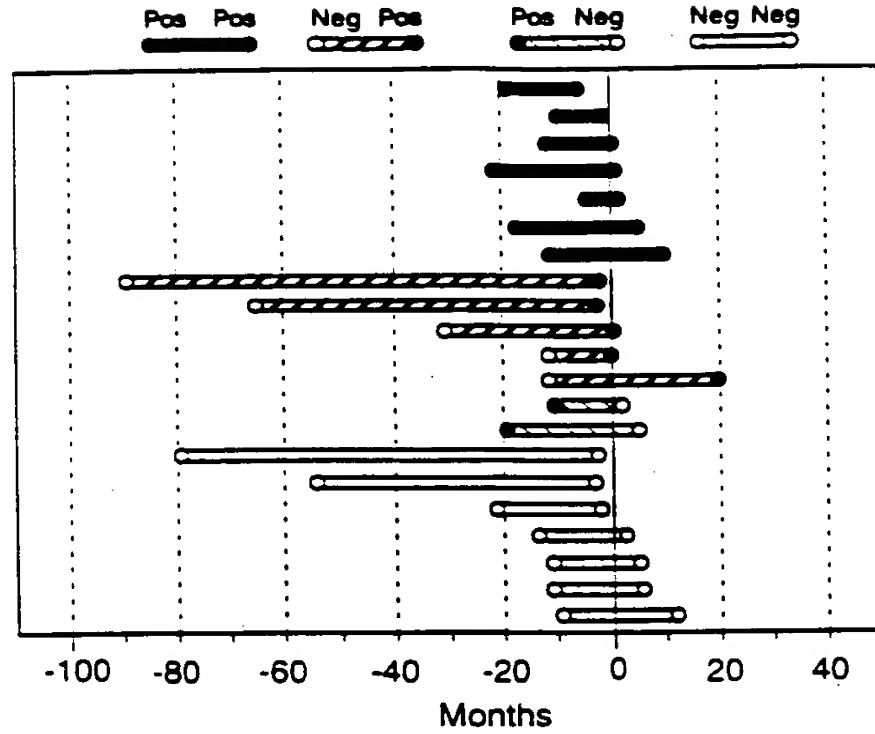
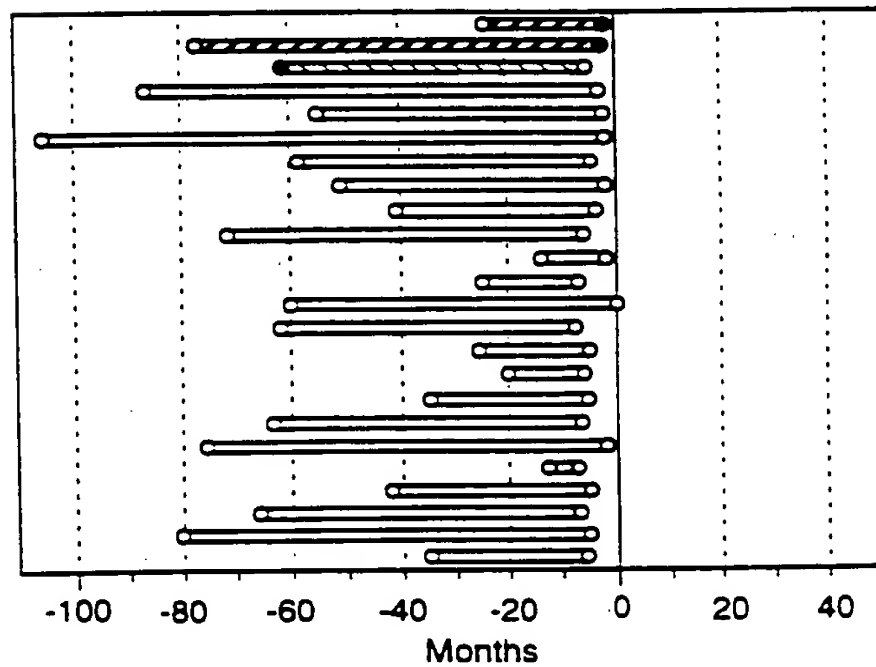


FIGURE 20B



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FIGURE 21

	Initial Sample	Second Sample
<b>AIDS-KS, n=21</b>		
Months prior to or after AIDS-KS median (range)	-13 ( 87 to -4)	11 ( 6 to 120)
CD4 count, mm <sup>3</sup> median (range)	432 (63 to 866)	124 (8 to 640)
KSIV positivity no. (%)	9 (43%)	12 (57%)
<b>Gay/Bisexual AIDS without KS, n=23</b>		
Months prior to AIDS diagnosis median (range)	-55 ( -106 to -13)	-5 ( 8 to -0)
CD4 count, mm <sup>3</sup> median (range)	612 (333 to 1309)	215 (11 to 598)
KSIV positivity no. (%)	1 (4%)	2 (9%)
<b>Hemophilic AIDS without KS, n=19</b>		
CD4 count, mm <sup>3</sup> median (range)		344 (83 to 559)
KSIV positivity no. (%)		2 (11%)

\*CD4 counts available for 15 hemophilic patients at or prior to sample collection date.



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**FIGURE 23**  
Characteristics of the Study Population

	<u>Patient Disease Status</u>	
	<u>With KS</u>	<u>Without KS</u>
n =	47	42
Male	47	39
Female	0	3
African American	7	4
Non-Hispanic White	38	32
Hispanic	0	5
Other	2	1
Homosexual	44	36
IDU	0	2
Heterosexual	2	3
Other/Unknown	1	1
CD4 cells count	28	21
0-100	12	11
100-300	7	9
>300	0	1
Unknown		



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# FIGURE 25

Comparison of KS patients With and Without Antibody to KSHV p40

## Patient Serologic Status

p40+ p40-

n = 32 15

African American

White

Hispanic

Other

Homosexual

Heterosexual

Other/Unknown

CD4

0-100

100-300

>300

Limited KS

Extensive KS

Biopsy Confirmed

0

13

0

2

15

0

0

11

3

1

8

7

15

17

9

6

22

10

30



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## FIGURE 26

Prevalence of Antibody Detectable by Indirect Immunofluorescence to KSHV  
Antigens in Chemically Induced BCBL-1 Cells in HIV-1 Positive Patients  
with and without Kaposi's Sarcoma

State of Residence	Patient Disease Status	
	with KS	without KS
Connecticut	10/13+ (77)	0/13 (0)
New York	15/23 (65)	5/28 (18)
California	7/11 (67)	0/1 (0)
Total	32/47 (68)	5/42 (12)

No. patients with antibody/No. patients studied



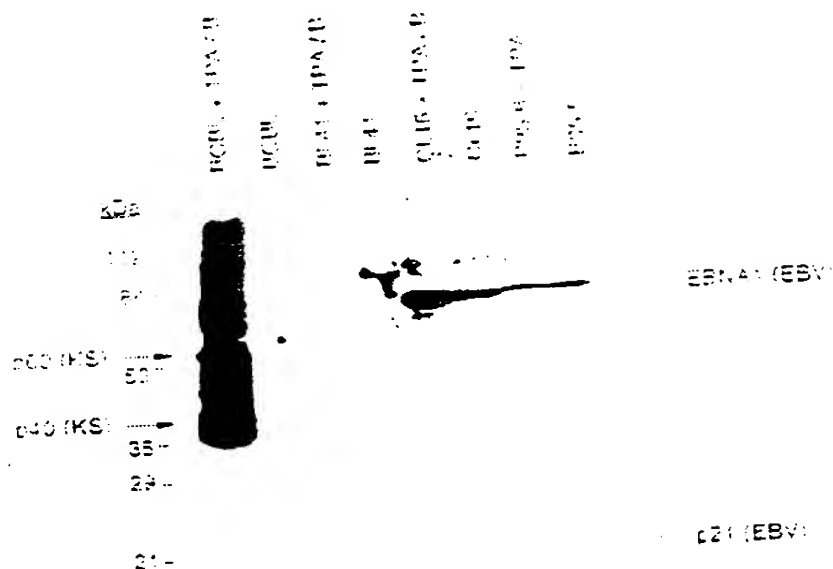
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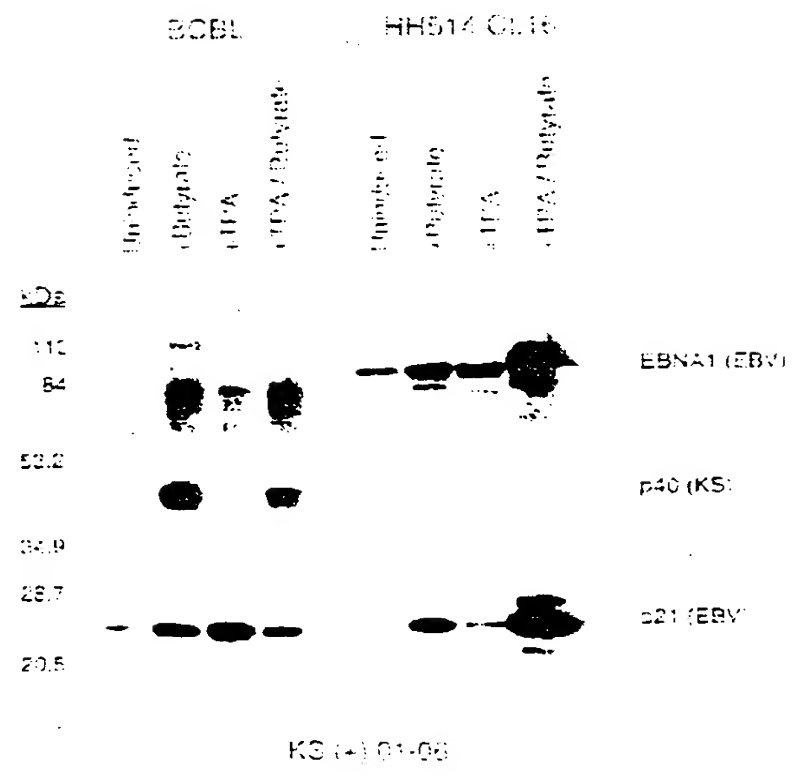
FIGURE 27B



KS (+) 01-03

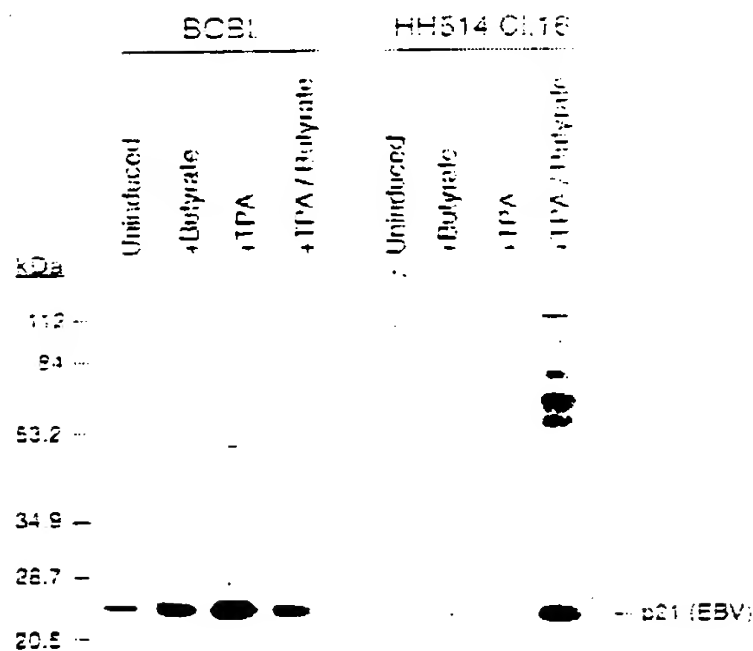
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FIGURE 28A



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FIGURE 28B



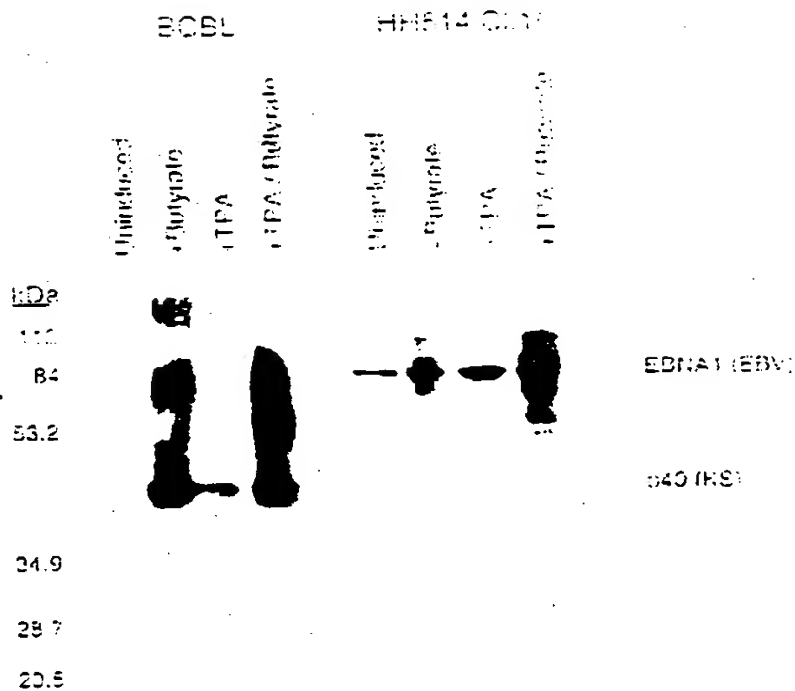
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FIGURE 28C



KS (-) 04-01

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FIGURE 28D

